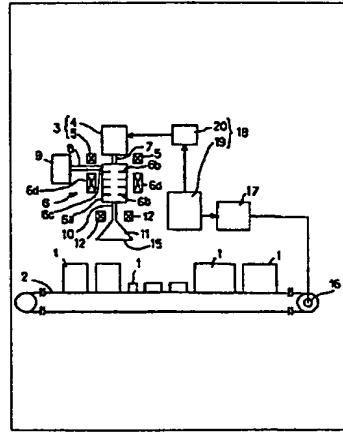


**WPI**

- TI - Electron gun controller of electron beam sterilization apparatus for sterilizing syringe, gauze
- AB - JP11169438 NOVELTY - A controller (18) adjusts the quantity of electron radiated from an electron gun (3), based on type of the object (1) to be sterilized. The object is conveyed by a conveyor (2) and gets sterilized by electron beam from an accelerating tube (6) through titanium film.
- USE - For controlling electron gun of electron beam sterilization apparatus used in sterilizing syringe, gauze.
  - ADVANTAGE - Reduces size of sterilization apparatus by avoiding speed of tank for electrostatic process. Prevents deterioration of conveyor by optimizing electron beam quantity according to type and dimension of object.
- DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of electron beam sterilization apparatus. (1) Object to be sterilized; (2) Conveyor; (3) Electron gun; (6) Accelerating tube; (18) Controller.
- (Dwg.1/4)
- PN - JP11169438 A 19990629 DW199936 A61L2/08 005pp
- PR - JP19970340098 19971210
- PA - (ISHI ) ISHIKAWAJIMA HARIMA HEAVY IND
- MC - D09-A02
- S05-G01B V05-F05A7A V05-F05E5A V05-F08X
- DC - D22 P34 S05 V05
- IC - A23L3/26 ;A23L3/32 ;A61L2/08 ;A61N5/10 ;G21K5/04 ;H01J33/00
- AN - 1999-422852 [36]

**PAJ**

- TI - ELECTRON BEAM IRRADIATION DEVICE
- AB - PROBLEM TO BE SOLVED: To provide a compact electron beam irradiation device capable of performing sterilization by electron beams suited to the kind of an object to be sterilized.
- SOLUTION: By controlling the amount of electrons emitted from an electron gun 3 and made incident on an acceleration tube 6 corresponding to the kind of the object 1 to be sterilized by a current amount control means 18, the electron beams suited to the object 1 to be sterilized is irradiated, and since the need of using a tank like an electrostatic type electron beam irradiation device is eliminated, this device is compacted. Also, by providing a speed control means 17 on a conveyor 2, by slowing or accelerating the carrying speed of the conveyor 2 in the case that the size and weight of the object 1 to be sterilized exceeds a range controllable by the current amount control means 18, the energy value and irradiation amount of the electron beams irradiated to the object 1 to be sterilized become the appropriate size, and thus, the sterilization is performed by more suitable electron beams and the degradation of the conveyor 2 or the like is prevented.
- PN - JP11169438 A 19990629
- PD - 1999-06-29
- ABD - 19990930
- ABV - 199911
- AP - JP19970340098 19971210
- PA - ISHIKAWAJIMA HARIMA HEAVY IND CO LTD
- IN - SHIRAKAWA TADAHIDE
- I - A61L2/08 ;A23L3/26 ;A23L3/32 ;A61N5/10 ;G21K5/04 ;H01J33/00



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